

# Hvolt-PV

## Project's Full Title

High voltage IBC photovoltaic i-Cells and modules.

## Description

The aim of this project is to develop a standard-size solar photovoltaic module with efficiency higher than 21% by tackling two of the highest cost issues. The high efficiency aspect will be reached using both the IBC cell structure on n-type monocrystalline silicon and the use of i-Cell concept. S'Tile must be able to produce those panels at the end of the project, integrating internally: the cutting, quarter cells assembly into i-Cells and i-Cells interconnection steps.

## Partners

S'Tile SA (S'Tile), International Solar Energy Research Center Konstanz e.V. (ISC)

**University of Cyprus Role:** Partner

**Funding Agency:** Solar ERA NET

**Funding Amount:** €600,000

**Funding Amount for University of Cyprus:** €100,000